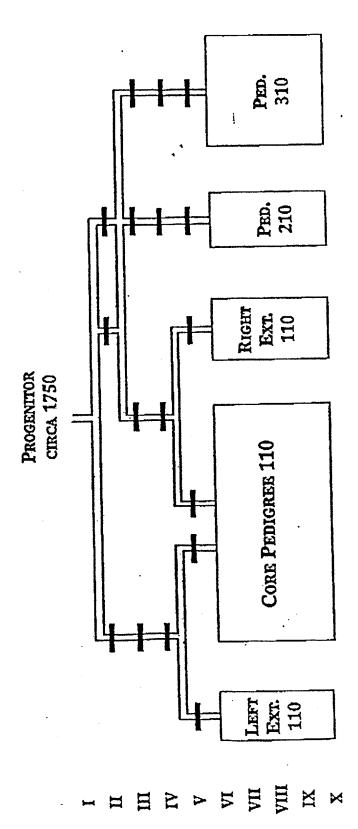
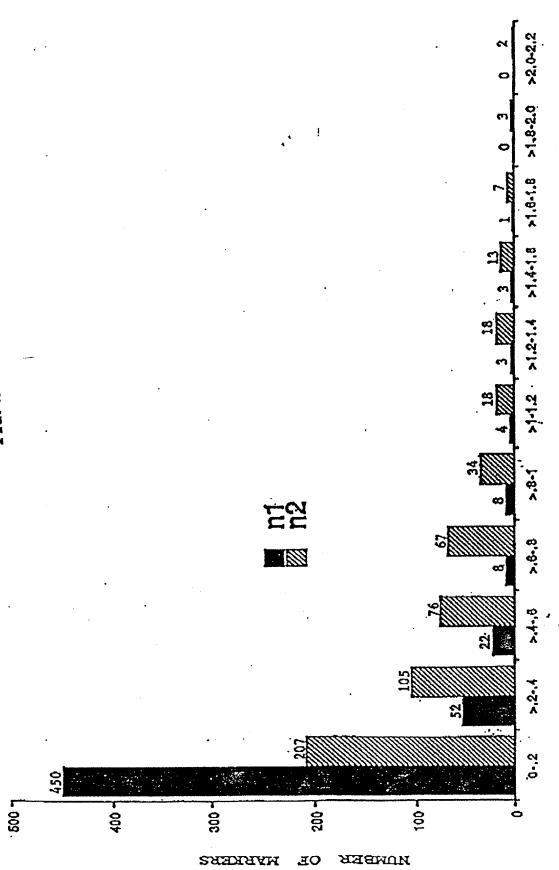
d

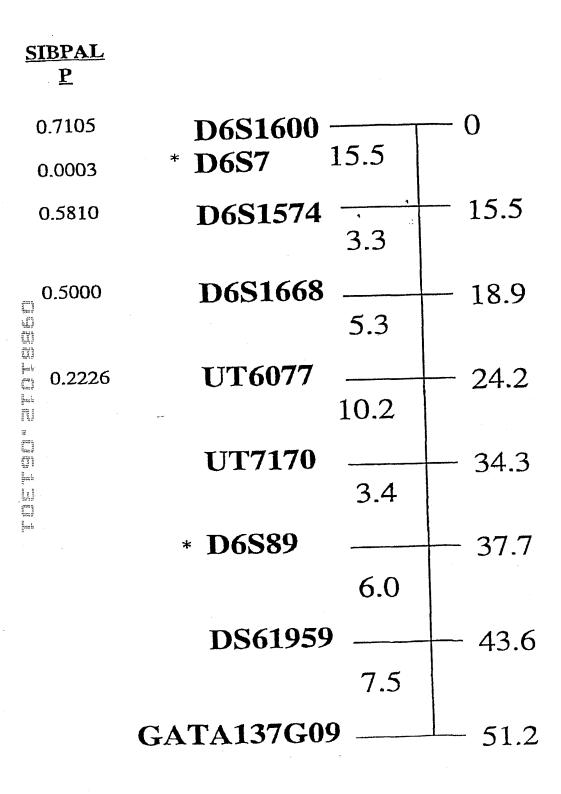
## ANCESTRAL TRACE FOR AMISH STUDY BIPOLAR PEDIGREES





CLASS BOUNDS

MAX LOD SCORES



\* = NG markers/values

Figure 3

## SIBPAL P

		D13S56h1		0.0
			.0.0	0.0
		D13S56h2	11.6	
	0.0865	* D13S291 D13S37	6.8	11.6
The state of the s	0.0171	GATA125CO4 * D13S218	2.8	18.4
	0.4336	D13S894	6.1	21.2
	0.0003	* D13S1m	0.0	27.3
SER CONTROL OF THE PROPERTY OF		* D13S1t		27.3
	0.4905	* D13S171	5.2	32.5
	0.1502	D12C260	3.8	36.3
	0.1593	D13S260	10.4	
		D13S221	6.5	46.7
		D13S232		53.2

Figure 4

SIBPAL P			0.0
	D15S114	11.1	
0.1449	299yf	5.8	11.1
0.0411	D15S131	7.8	16.8
0.2091	D15S153	7.6	24.6
0.0114	* D15S36		32.2
0.0003	* D15S45		
0.0433	D15S159	1.5	
0.0217 0.1020	* D15S148 135yc		33.6
0.1040	D15S1033	1.4	35.0
	D15S150 D15S38	1.7	<del></del> 36.7
	* D15S117	5.6	
	GATA153F11	5.1	42.3
	D15S962		47.4
	D15S48ml	1.2	40.6
	189ус	2.4	48.6

Figure 5

## SIBPAL P Value

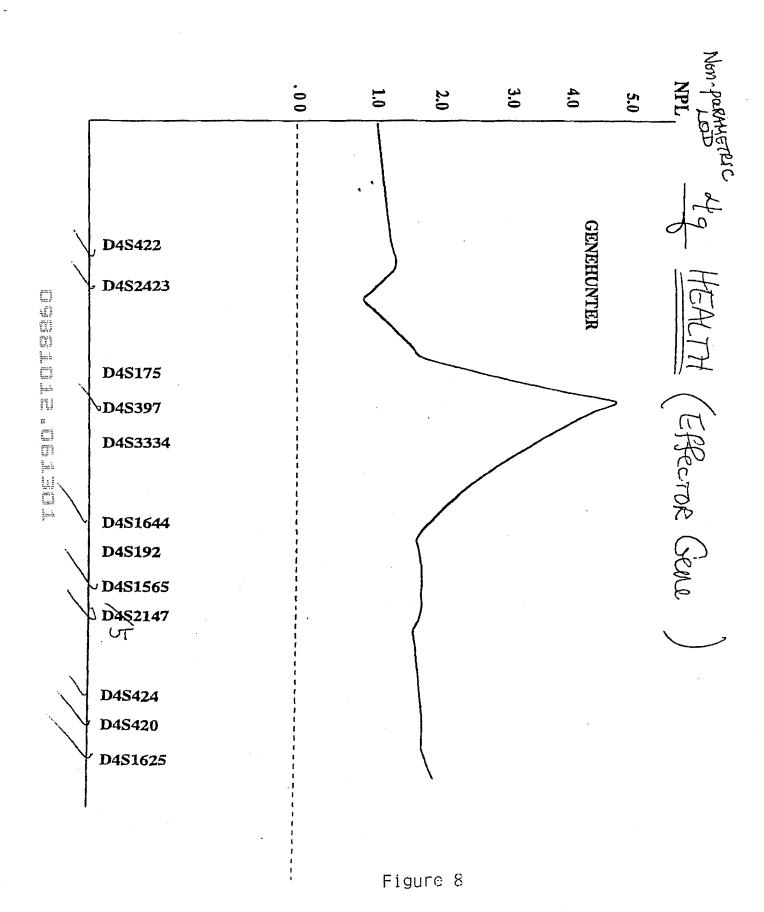
D4S412		- 00
O. 5241	13.6	0.0
D4S2333	1.2	13.6
D4S431a	0.9	14.8
0.002 → D4S2366	1.0	— 16.7
D4S394a	3.2	
$\circ$ .0015 $\rightarrow$ D4S3007	2.1	19.8
0.0035 TD4S394		<del></del> 21.9
O,0000-D4S2949	9.4	
O.0626 \D4S1605	2.5	31.3
0.0005 \D4S1582		<del></del> 33.8
D4S107m	0.5	
<b>√D4S403</b> -		<del></del> 34.3
O.0002-D4S419 -	7.6	
	6.2	<del>- 41.9</del>
○, ○○○4 — D4S404 -	6.6	<b>—</b> 48.1
D4S391 -	12.1	<b>-</b> 54.7
D4S405 -		<del>-</del> 66.8

SIBPAL P			
	D4S100	7.4	0.0
	D4S406		7.4
	D4S1611	3.9	
	D4S101t		
	UT7739	3.7	11.4
	D4S1573		15.0
<0.0001	D4S402	1.2	17.6
0.0001	D4S109	1.2	
	D4S427		18.9
	D4S1615	8.6	27.5
	D-031013	8.4	
	D4S2959		35.9
	D4S1576	5.6	41.5
	D4S422	4.5	46.0
	D4S422 D4S2423	1.4	40.0
			47.4
	D4S422a	1.8	47.4
<0.0001	D4S175	2.6	49.2
<0.0001	D4S397		
	D4S3334	2.5	51.8
	D4S1644		54.3
	D4S192	3.4	
	D4S1565		
	UT2147	2.7	57.7
0.0003	D4S424	2.2	60.4
	D4S420	2.2	
	D4S1625		62.6
	UT1264	4.8	67.3
	D4S413	15.3	82.7
	~ . ~	_	

42 HORAR (NG 96)

Figure 7

GATA8A05



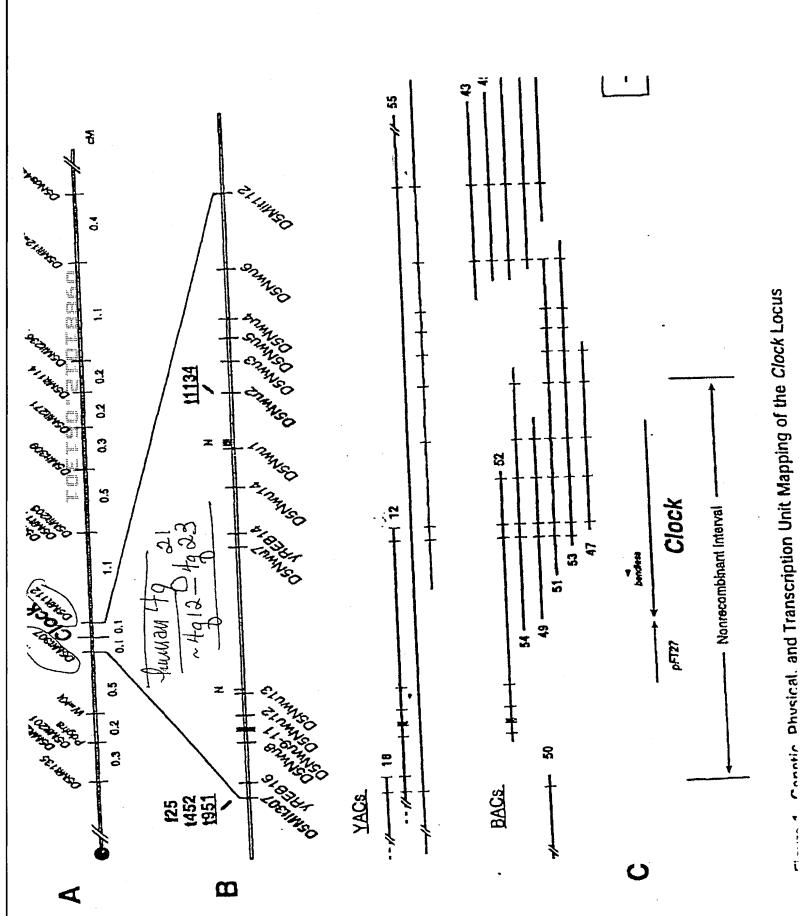


Figure 9

## AMISH STUDY BIPOLAR PEDIGREE EXTENSIONS

1700-1750

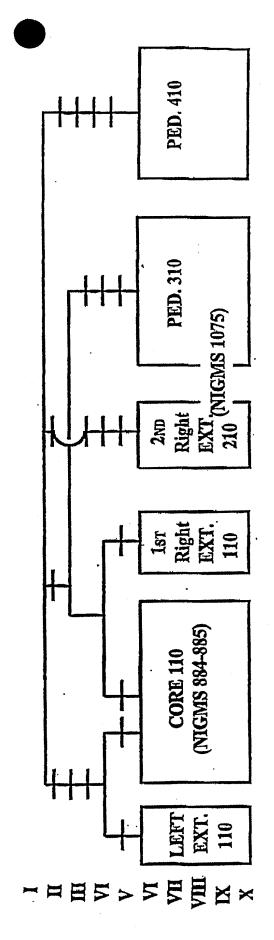


Figure 10

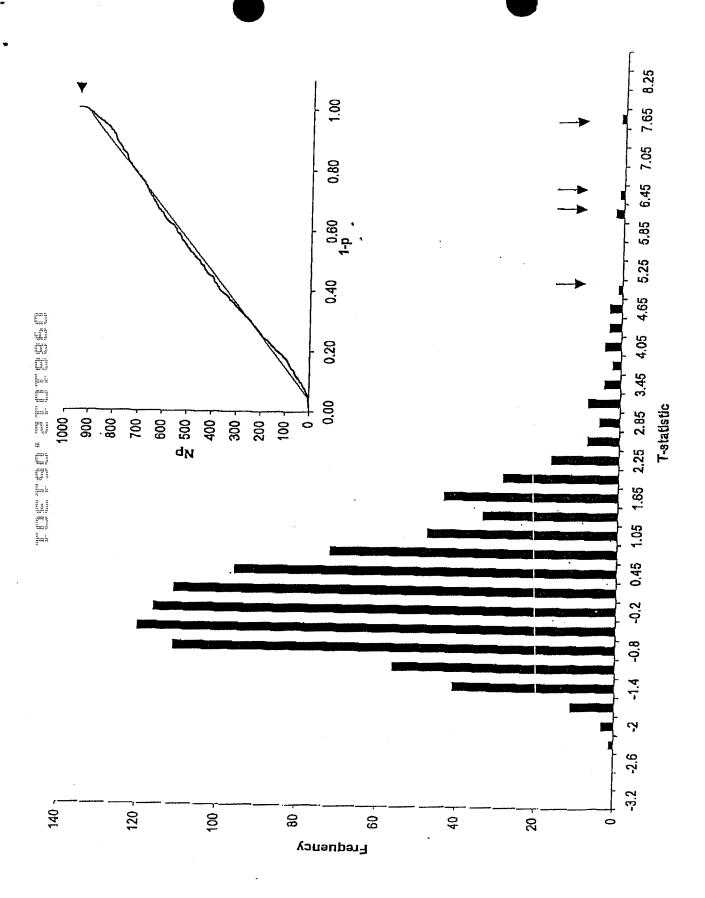


Figure 11

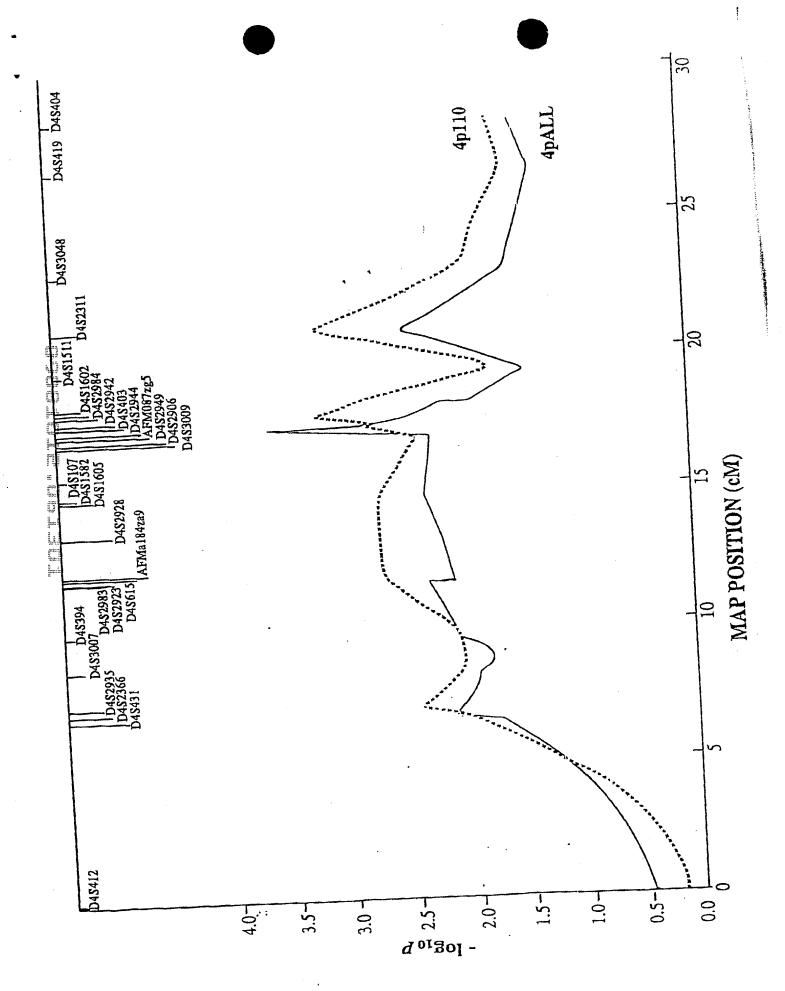


Figure 12A

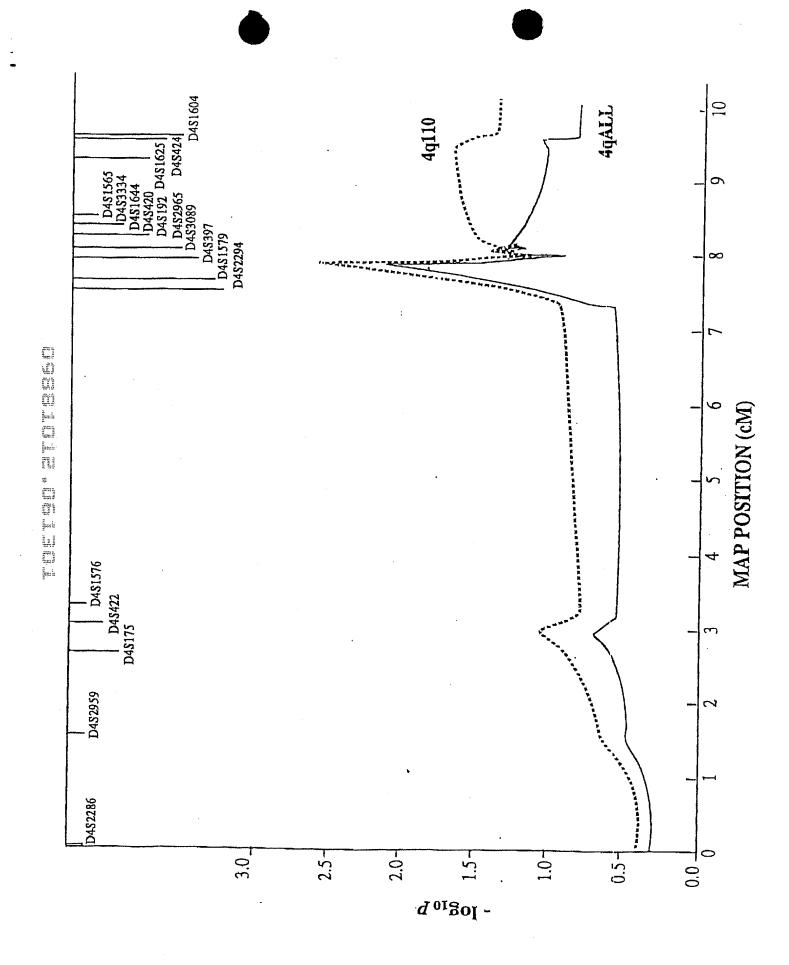


Figure 12B